# WEST

# Freeform Search

Database:	US Patents Full-Text Database  JPO Abstracts Database EPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins  ▼
Term:	polyester same esterase
Display: Generate:	O Hit List O Hit Count O Image
***************************************	Search Clear Help Logout Interrupt
	Main Menu Show S Numbers Edit S Numbers Preferences

# **Search History**

Today's Date: 7/31/2000

DB Name	Query	Hit Count	Set Name
USPT	polyester same esterase	15	<u>L12</u>
USPT	polyester and esterase	444	<u>L11</u>
USPT	polyesterase	0	<u>L10</u>
USPT,JPAB,EPAB,DWPI,TDBD	polyesterase	0	<u>L9</u>
USPT,JPAB,EPAB,DWPI,TDBD	11 near7 12 near7 13	33	<u>L8</u>
USPT,JPAB,EPAB,DWPI,TDBD	11 near17 12 near17 13	53	<u>L7</u>
USPT,JPAB,EPAB,DWPI,TDBD	11 near10 12 near10 13	44	<u>L6</u>
USPT,JPAB,EPAB,DWPI,TDBD	11 same 12 same 13	123	<u>L5</u>
USPT,JPAB,EPAB,DWPI,TDBD	11 and 12 and 13	1171	<u>L4</u>
USPT,JPAB,EPAB,DWPI,TDBD	ethylene glycol	123051	<u>L3</u>
USPT,JPAB,EPAB,DWPI,TDBD	formamide	40973	<u>L2</u>
USPT,JPAB,EPAB,DWPI,TDBD	dmso	38499	<u>L1</u>

Trying 3106016892...Open

Welcome to STN International! Enter x:x LOGINID:ssspta1815mxw

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * *	* *	* *	* *	* Welcome to STN International * * * * * * * * *		
NEWS	1	Feb	2	Web Page URLs for STN Seminar Schedule - N. America		
NEWS	2	Dec		Expanded CAplus Coverage of US, Japanese, WIPO, EPO, and German patents		
NEWS	3	Feb	1	Addition of Machine-Translated Abstracts to CAplus		
NEWS	4	Feb	28	Patent Information Now Searchable in CAOLD SDI/UPDATE SEARCH FIELD		
NEWS	5	May	1	RN CROSSOVER AND ANSWER SIZE LIMITS INCREASED		
NEWS	6	May	22	CITED REFERENCES NOW AVAILABLE IN CAPLUS AND CA FILE		
NEWS	7	May	22	POSTPROCESSING OF SEARCH RESULTS MAY BE AFFECTED BY ADDITION OF CITED REFERENCES TO CAPLUS, CA, REGISTRY, CASREACT, MARPAT, and MARPATPREV		
NEWS	8	Jun	2	KOREAN PATENTS NOW IN CAS DATABASES		
NEWS	9	Jun	20	WIPO/PCT Patents Fulltext Database now on STN		
NEWS	10	Jun	28	CAS covers Web-distributed preprints		
NEWS	11	Jul	7	Patent Full-text Cluster, PNTTEXT, introduced		
NEWS	12	Jul	27	EUROPATFULL - loading of backlog data		
NEWS	13	Jul	27	MORE FREQUENT UPDATES FOR DERWENT WORLD PATENTS INDEX IN 2000		
NEWS	14	Jul	27	Derwent Journal Of Synthetic Methods Reloaded with New Data		
NEWS	15	Jul	27	DERWENT WORLD PATENTS INDEX: FAST TRACK RELEASE OF EQUIVALENT PATENTS		
NEWS	EXP	RESS	FR	EE UPGRADE 5.0C NOW AVAILABLE		
NEWS			STI	N Operating Hours Plus Help Desk Availability		
NEWS	S INTER General Internet Information					
NEWS	S LOGIN Welcome Banner and News Items					
NEWS	S PHONE Direct Dial and Telecommunication Network Access to STN					
NEWS	S WWW CAS World Wide Web Site (general information)					
Enter NEWS followed by the item number or name to see news on that						

specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 16:38:32 ON 31 JUL 2000

=> file reg

TOTAL SINCE FILE COST IN U.S. DOLLARS ENTRY SESSION 0.15 0.15 FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 16:39:02 ON 31 JUL 2000

USE IS SUBJECT TO THE ERMS OF YOUR STN CUSTOMER AGRE PLEASE SEE "HELP USAGE ERMS" FOR DETAILS.
COPYRIGHT (C) 2000 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 30 JUL 2000 HIGHEST RN 281654-30-6 DICTIONARY FILE UPDATES: 30 JUL 2000 HIGHEST RN 281654-30-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 11, 2000

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT for details.

=> s polyesterase/cn

L1 0 POLYESTERASE/CN

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 3.90 4.05

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 16:39:19 ON 31 JUL 2000 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2000 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications.

FILE COVERS 1967 - 31 Jul 2000 VOL 133 ISS 6 FILE LAST UPDATED: 30 Jul 2000 (20000730/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGIstRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

Now you can extend your author, patent assignee, patent information, and title searches back to 1907. The records from 1907-1966 now have this searchable data in CAOLD. You now have electronic access to all of CA: 1907 to 1966 in CAOLD and 1967 to the present in CAPLUS on STN.

=> s polyesterase?

L2 1 POLYESTERASE?

=> d

- L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2000 ACS
- AN 1984:487041 CAPLUS
- DN 101:87041
- TI Suberin-grown Fusarium solani f. sp pisi generates a cutinase-like esterase which depolymerizes the aliphatic components of suberin
- AU Fernando, G.; Zimmerman, W.; Kolattukudy, P. E.
- CS Inst. Biol. Chem., Washington State Univ., Pullman, WA, 99164, USA
- SO Physiol. Plant Pathol. (1984), 24(2), 143-55

CODEN: PPPYBC; N: 0048-4059

DT Journal LA English

=> d ab, bib

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2000 ACS

F. solani pisi Isolate T-8 was found to grow with suberin from potato AR tuber periderm as the sole C source. The extracellular fluid from such cultures catalyzed the hydrolysis of p-nitrophenyl butyrate and radioactive apple cutin. The major portion of this esterase was bound to the suberin-contg. mycelial mat from which the activity could be washed out with a 0.4% Triton X-100 soln. All of this esterase activity was contained in 2 isozymes which were purified by a passage of the Triton wash through QAE-Sephadex followed by ion-exchange chromatog. with SP-Sephadex. Both isozymes were homogeneous as judged by polyacrylamide gel electrophoresis with or without SDS. Each showed a mol. wt. of 23,000. Anal. of the aliph. components released by the esterase from suberin by combined gas-liq. chromatog./mass spectrometry showed that all classes of monomers were released by the esterase. The 2 enzymes were very similar in their catalytic properties and amino acid compn. to 2 isozymes of cutinase isolated from the extracellular fluid of the same fungus grown on apple cutin. The esterases had 1 disulfide bridge and no free SH group, similar to fungal cutinases. Ouchterlony double-diffusion analyses showed that the 2 esterases isolated from suberin-grown cells cross-reacted with complete fusion of the precipitin lines when tested with antibodies generated against the 2 cutinases generated by

cutin-grown

cells. Apparently, F. solani pisi generates extremely similar, if not identical, polyesterases to degrade cutin and suberin when these polymers constitute the sole C source.

AN 1984:487041 CAPLUS

DN 101:87041

- TI Suberin-grown Fusarium solani f. sp pisi generates a cutinase-like esterase which depolymerizes the aliphatic components of suberin
- AU Fernando, G.; Zimmerman, W.; Kolattukudy, P. E.
- CS Inst. Biol. Chem., Washington State Univ., Pullman, WA, 99164, USA
- SO Physiol. Plant Pathol. (1984), 24(2), 143-55 CODEN: PPPYBC; ISSN: 0048-4059
- DT Journal
- LA English

### => index bioscience, chemistry

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED FILE 'PAPERCHEM' ACCESS NOT AUTHORIZED SINCE FILE TOTAL COST IN U.S. DOLLARS ENTRY SESSION FULL ESTIMATED COST 5.66 9.71 DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION CA SUBSCRIBER PRICE -0.56-0.56

INDEX 'ADISALERTS, ADISINSIGHT, AGRICOLA, AIDSLINE, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA.

CANCERLIT, CAPLUS, CEABA, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 16:41:48 ON 31 JUL 2000

80 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON see search term postings or to sew search error messages that display as 0\* with SET DETAIL OFF.

#### => s polyesterase?

- 1 FILE BIOSIS
- 1 FILE CABA
- 1 FILE CAPLUS
- 1 FILE CIN
- 34 FILES SEARCHED...
  - 1 FILE LIFESCI
  - 1 FILE INVESTEXT
- 79 FILES SEARCHED...
- 6 FILES HAVE ONE OR MORE ANSWERS, 80 FILES SEARCHED IN STNINDEX
- L3 QUE POLYESTERASE? .
- => dup rem 13

#### L3 IS NOT VALID HERE

This L-number was created by another command that cannot be used with the DUPLICATE command. Enter DISPLAY HISTORY at an arrow prompt (=>) to see all L-numbers defined in this session.

#### ⇒> d rank

F1	1	BIOSIS
F2	1	CABA
F3	1	CAPLUS
F4	1	CIN
F5	1	LIFESCI
F6	1	INVESTEXT

#### => file f1-f6

COST IN U.S. DOLLARS ·	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.90	10.61
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.56

FILE 'BIOSIS' ENTERED AT 16:42:59 ON 31 JUL 2000 COPYRIGHT (C) 2000 BIOSIS(R)

FILE 'CABA' ENTERED AT 16:42:59 ON 31 JUL 2000 COPYRIGHT (C) 2000 CAB INTERNATIONAL (CABI)

FILE 'CAPLUS' ENTERED AT 16:42:59 ON 31 JUL 2000 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2000 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CIN' ENTERED AT 16:42:59 ON 31 JUL 2000 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2000 American Chemical Society (ACS)

FILE 'LIFESCI' ENTERED AT 16:42:59 ON 31 JUL 2000 COPYRIGHT (C) 2000 Cambridge Scientific Abstracts (CSA)

FILE 'INVESTEXT' ENTERED AT 16:42:59 ON 31 JUL 2000

PLAWA4.

English

ANSWER 3 OF 3 INVESTEXT COPYRIGHT 2000 TFS

LA

L5

XT(tm) REPORT NUMBER: 1122813 AN 90:469116 INVES

PGNO PAGE 7 OF 10

DN 1122813

TI Biodegradables For Medical Applications - Industry Report AU Helmus, M.N.
CS ARTHUR D. LITTLE DECISION RESOURCES; MASSACHUSETTS

CSR NEW ENGLAND/NORTHEAST/NORTHEASTERN STS.; UNITED STATES OF AMERICA; NORTH AMERICA

CSTY Consulting-accounting-research firm

20 Aug 1990

INDUSTRY REPORT DT

FS Text Page; INDUSTRY REPORT

WC 418

=> index bioscience, chemistry

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED FILE 'PAPERCHEM' ACCESS NOT AUTHORIZED SINCE FILE TOTAL COST IN U.S. DOLLARS ENTRY SESSION FULL ESTIMATED COST 18.02 28.63 DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL SESSION ENTRY .0.00 -0.56 CA SUBSCRIBER PRICE

INDEX 'ADISALERTS, ADISINSIGHT, AGRICOLA, AIDSLINE, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,

CANCERLIT, CAPLUS, CEABA, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 16:56:29 ON 31 JUL 2000

80 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0\* with SET DETAIL OFF.

#### => s esterase? and polyester?

- 3 FILE AGRICOLA
- FILE ANABSTR
- 9 FILE BIOBUSINESS
- 35 FILE BIOSIS
- 21 FILE BIOTECHABS
- 21 FILE BIOTECHDS
- 25 FILE BIOTECHNO
- 8 FILE CABA
- 1 FILE CANCERLIT
- 116 FILE CAPLUS
  - 9 FILE CEABA
  - 3 FILE CEN

#### 28 FILES SEARCHED...

- 26 FILE EMBASE
- 13 FILE ESBIOBASE
  - FILE FSTA
- 1 FILE GENBANK
- 14 FILE IFIPAT
- 145 FILE JICST-EPLUS
- 14 FILE LIFESCI
- 27 FILE MEDLINE
- 2 FILE PROMT
- 36 FILE SCISEARCH
- 11 FILE TOXLINE
- 14 FILE TOXLIT
- 445 FILE USPATFULL
- 13 FILE WPIDS.

## 56 FILES SEARCHED...

- 13 FILE WPINDEX
- 1 FILE BABS
- 27 FILE COMPENDEX
- 1 FILE INSPEC

- 1 FILE IN STEXT
- 8 FILE KR
- 15 FILE RAPRA

## 76 FILES SEARCHED...

- 1 FILE VTB
- 8 FILE WSCA
- 35 FILES HAVE ONE OR MORE ANSWERS, 80 FILES SEARCHED IN STNINDEX
- L6 QUE ESTERASE? AND POLYESTER?
- => s esterase? same polyester?
  - 22 FILES SEARCHED...
  - 49 FILES SEARCHED...
  - 61 FILES SEARCHED...
  - 0 FILES HAVE ONE OR MORE ANSWERS, 80 FILES SEARCHED IN STNINDEX
- L7 QUE ESTERASE? SAME POLYESTER?